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(54) Title: METHOD, APPARATUS AND DEVICE FOR PREDICTING HETERONYM PRONUNCIATION, AND STORAGE MEDIUM

(54) 发明名称: 多音字发音的预测方法、装置、设备及存储介质

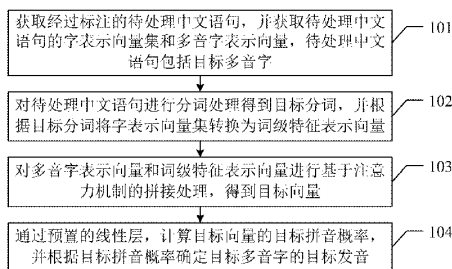


图 1

- 101 Acquire an annotated Chinese statement to be processed, and acquire a word representation vector set and a heteronym representation vector of said Chinese statement, said Chinese statement comprising a target heteronym
- 102 Perform word segmentation processing on said Chinese statement to obtain a target word, and convert the word representation vector set into a word-level feature representation vector according to the target word
- 103 Connect the heteronym representation vector to the word-level feature representation vector on the basis of an attention mechanism to obtain a target vector
- 104 Calculate a target Pinyin probability of the target vector by means of a preset linear layer, and determine a target pronunciation of the target heteronym according to the target Pinyin probability

(57) Abstract: The present invention relates to the technical field of artificial intelligence, and provides a method, apparatus and device for predicting the heteronym pronunciation, and a storage medium, for use in improving the accuracy of predicting the heteronym pronunciation. The method for predicting the heteronym pronunciation comprises: acquiring an annotated Chinese statement to be processed, and acquiring a word representation vector set and a heteronym representation vector of said Chinese statement, said Chinese statement comprising a target heteronym (101); performing word segmentation processing on said Chinese statement to obtain a target word, and converting the word representation vector set into a word-level feature representation vector according to the target word (102); connecting the heteronym representation vector to the word-level feature representation vector on the basis of an attention mechanism to obtain a target vector (103); and calculating a target Pinyin probability of the target vector by means of a preset linear layer, and determining a target pronunciation of the target heteronym according to the target Pinyin probability (104). In addition, the present invention further relates to blockchain technology, and said annotated Chinese statement can be stored in a blockchain.

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本国际公布:

— 包括国际检索报告 (条约第21条(3))。

(57) 摘要: 涉及人工智能技术领域, 提供一种多音字发音的预测方法、装置、设备及存储介质, 用于提高预测多音字发音的准确率。多音字发音的预测方法包括: 获取经过标注的待处理中文语句, 并获取待处理中文语句的字表示向量集和多音字表示向量, 待处理中文语句包括目标多音字 (101); 对待处理中文语句进行分词处理得到目标分词, 并根据目标分词将字表示向量集转换为词级特征表示向量 (102); 对多音字表示向量和词级特征表示向量进行基于注意力机制的拼接处理, 得到目标向量 (103); 通过预置的线性层, 计算目标向量的目标拼音概率, 并根据目标拼音概率确定目标多音字的目标发音 (104)。此外, 还涉及区块链技术, 经过标注的待处理中文语句可存储于区块链中。